

Canovelles, March 2023

The company Mercantil Luz Negra, S.L. with registered office in  
 C/Carles Buhigues 13, Polígono Industrial Can Castells, 08420 Canovelles (Barcelona, Spain)

# CERTIFIES

That the following products described here have been carried out the relevant technical tests and tests and that they have been satisfactory according to the regulations in force (data issued by the manufacturer of the product):

Product reference: **18.022 / 18.025**  
 Product name: **transparent easy-on ip65 polycarbonate cover for led profile xl (l=2m)**  
**transparent easy-on ip65 polycarbonate cover for led profile xl (l=6m)**

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>	ASTM D792 ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	3.0 g/10 min	3.0 g/10 min	ASTM D1238 ISO 1133
Molding Shrinkage-Flow	5.0E-3 to 7.0E-3 in/in	0.50 to 0.70 %	ISO 294-4
Water Absorption			ISO 62
73°F (23°C), 24h	0.32 %	0.32 %	
Equilibrium, 73°F (23°C), 50% RH	0.12 %	0.12 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus			
---	334000 psi	2300 MPa	ASTM D638
---	334000 psi	2300 MPa	ISO 527-1/1
Tensile Strength			
Yield <sup>2</sup>	8700 psi	60.0 MPa	ASTM D638
Yield	8990 psi	62.0 MPa	ISO 527-2/50
Break <sup>2</sup>	9430 psi	65.0 MPa	ASTM D638
Break	9430 psi	65.0 MPa	ISO 527-2/50
Tensile Elogation			
Yield <sup>2</sup>	6.0 %	6.0 %	ASTM D638
Yield	6.0 %	6.0 %	ISO 527-2/50
Break <sup>2</sup>	120 %	120 %	ASTM D638
Break	120 %	120 %	ISO 527-2/50
Flexual Modulus			
---	350000 psi	2410 MPa	ASTM D790
---	348000 psi	2400 MPa	ISO 178

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<b>Optical</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Refractive Index	1.586	1.586	ISO 489
Light Transmittance	87.0 to 89.0 %	87.0 to 91.0 %	ASTM D1003
Haze	<1.00 %	<1.00 %	ASTM D1003

The product described has been tested according to the standards listed above and under Directives 2014/35/EU and 2014/30/EU. It is possible to use the CE marking.

The certificate is issued under the responsibility of the manufacturer (data issued by the manufacturer). And to record for the purposes that come and at the request of the interested party, is issued in this Certificate.

**CE**

CERTIFICATE